

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

Applicant(s):	ROBINSON, J.A. et al.	Examiner:	Unassigned
Serial No.:	To be assigned	Group Art Unit:	Unassigned
Filed:	Herewith	Docket:	753-10 PCT/US
For:	Synthesis of Template-Fixed β -Hairpin Loop Mimetics	Dated:	February 26, 2002

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Dated: February 26, 2002
Signature: Linda P. Scheurle

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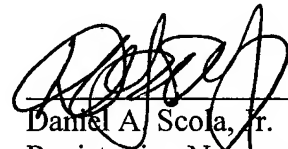
SUBMISSION OF DUPLICATE SEQUENCE LISTING DISKETTE

Sir:

Please find enclosed a duplicate Sequence Listing Diskette.

Any questions regarding this matter may be directed to Applicants' undersigned counsel at the telephone number given below.

Respectfully submitted,



Daniel A. Scola, Jr.
Registration No. 29,855
Attorney for Applicant(s)

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6900 Jericho Turnpike
Syosset, New York 11791
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#5



ENTERED PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,217

DATE: 03/13/2002 P.5
TIME: 14:03:55

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

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3 <110> APPLICANT: POLYPHOR AG et al.
5 <120> TITLE OF INVENTION: Synthesis of Template-Fixed beta-Hairpin Loop Mimetics
7 <130> FILE REFERENCE: P507PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/070,217
C--> 10 <141> CURRENT FILING DATE: 2002-02-26
12 <160> NUMBER OF SEQ ID NOS: 73
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 4
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
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22 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
24 <400> SEQUENCE: 1
25 Val Arg Lys Lys
26 1
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 4
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
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36 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
38 <400> SEQUENCE: 2
39 Lys Lys Tyr Leu
40 1
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 4
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
52 <400> SEQUENCE: 3
53 Trp Leu Asp Val
54 1
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 5
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
66 <400> SEQUENCE: 4
67 Tyr Ile Arg Leu Pro
68 1 5

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RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/10/070,217

TIME: 14:03:55

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

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72 <210> SEQ ID NO: 5
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74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
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78 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
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81 Tyr Ile Gly Ser Arg
82   1           5
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 5
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
94 <400> SEQUENCE: 6
95 Ile Lys Val Ala Val
96   1           5
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 6
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: residues 4 and 5 unspecified
111 <400> SEQUENCE: 7
W--> 112 Pro Pro Arg Xaa Xaa Trp
113   1           5
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 10
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence:Key Sequence
125 <300> PUBLICATION INFORMATION:
127 <400> SEQUENCE: 8
128 Ile Tyr Tyr Lys Asp Gly Ala Leu Lys Tyr
129   1           5           10
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 12
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
140   Fragment
142 <400> SEQUENCE: 9
143 Val Lys Asn Tyr Gly Val Lys Asn Ser Glu Trp Ile
144   1           5           10

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RAW SEQUENCE LISTING DATE: 03/13/2002
 PATENT APPLICATION: US/10/070,217 TIME: 14:03:55

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt
 Output Set: N:\CRF3\03132002\J070217.raw

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153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
155     Fragment
157 <400> SEQUENCE: 10
158 Val Lys Asn Tyr Gly Val Lys Asn Ser Glu Trp Thr
159   1           5           10
163 <210> SEQ ID NO: 11
164 <211> LENGTH: 4
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
170     Fragment
172 <400> SEQUENCE: 11
173 Gly Arg Gly Asp
174   1
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 4
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
185     Fragment
187 <400> SEQUENCE: 12
188 Arg Gly Asp Gly
189   1
193 <210> SEQ ID NO: 13
194 <211> LENGTH: 5
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
200     Fragment
202 <400> SEQUENCE: 13
203 Phe Tyr Thr Gly Thr
204   1           5
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 5
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
215     Fragment
217 <400> SEQUENCE: 14
218 Tyr Arg Asp Ala Met

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RAW SEQUENCE LISTING

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TIME: 14:03:55

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

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229 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
230      Fragment
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233 Asn Thr Tyr Ser Gly Val
234      1              5
238 <210> SEQ ID NO: 16
239 <211> LENGTH: 6
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
245      Fragment
247 <400> SEQUENCE: 16
248 Trp Asp Asp Gly Ser Asp
249      1              5
253 <210> SEQ ID NO: 17
254 <211> LENGTH: 8
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
260      Fragment
262 <400> SEQUENCE: 17
263 Leu Trp Tyr Ser Asn His Trp Val
264      1              5
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 6
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
275      Fragment
277 <400> SEQUENCE: 18
278 Ala Asn Pro Asn Ala Ala
279      1              5
283 <210> SEQ ID NO: 19
284 <211> LENGTH: 4
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
290      Fragment
292 <400> SEQUENCE: 19

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RAW SEQUENCE LISTING

DATE: 03/13/2002

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Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

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293 Ala Arg Gly Asp
294   1
298 <210> SEQ ID NO: 20
299 <211> LENGTH: 8
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
305     Fragment
307 <400> SEQUENCE: 20
308 Val Ala Ala Phe Leu Ala Leu Ala
309   1           5
313 <210> SEQ ID NO: 21
314 <211> LENGTH: 4
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
320     Fragment
322 <400> SEQUENCE: 21
323 Arg Gly Asp Val
324   1
328 <210> SEQ ID NO: 22
329 <211> LENGTH: 4
330 <212> TYPE: PRT
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
335     Fragment
337 <400> SEQUENCE: 22
338 Ala Thr Val Gly
339   1
343 <210> SEQ ID NO: 23
344 <211> LENGTH: 6
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
350     Fragment
352 <400> SEQUENCE: 23
353 Glu Arg Gly Asp Val Tyr
354   1           5
358 <210> SEQ ID NO: 24
359 <211> LENGTH: 8
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Description of Artificial Sequence:Peptide
365     Fragment

```

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 03/13/2002

PATENT APPLICATION: US/10/070,217

TIME: 14:03:56

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:112 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:112 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:477 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:31
L:477 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:494 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:32
L:494 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:511 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33
L:511 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:528 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:34
L:528 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:545 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:35
L:545 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:562 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:36
L:562 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:582 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:37
L:582 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:599 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:38
L:599 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:616 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:39
L:616 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:39
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:633 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:40
L:633 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:650 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:41
L:650 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:667 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:42
L:667 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:42
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:684 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:43
L:684 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:43
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:701 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:44
L:701 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:718 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:45

VERIFICATION SUMMARY

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TIME: 14:03:56

Input Set : A:\P507PCT1Sequencelisting_txtfile.txt

Output Set: N:\CRF3\03132002\J070217.raw

L:718 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:45
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:735 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:46
L:735 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:752 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:47
L:752 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:769 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:48
L:769 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:786 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:49
L:786 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:803 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:50
L:803 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:820 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:51
L:820 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:837 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:52
L:837 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:854 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:53
L:854 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:53
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:871 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:54
L:871 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73